Index of Claims

| App | lica | tion/ | Cont | rol | No. |
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09/960,114

Examiner

Cheryl Juska

Applicant(s)/Patent under Reexamination

HIGGINS ET AL.

Art Unit

1771

| <b>√</b> | Rejected |
|----------|----------|
| =        | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| Z | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

|          |  |          |          |          |          |          |                |              |                 |          |     |                 |                    |  |          |                 |          | •        |          |              |        |    |       |                          |           |                |           |          |               |
|----------|--|----------|----------|----------|----------|----------|----------------|--------------|-----------------|----------|-----|-----------------|--------------------|--|----------|-----------------|----------|----------|----------|--------------|--------|----|-------|--------------------------|-----------|----------------|-----------|----------|---------------|
| Cla      | aim  |          |          |          | [        | Date     | е              |              |                 |          |     | Cla             | aim                |  |          |                 |          | Date     | •        |              |        | 1  | Cli   | aim                      |           |                |           | C        | Date          |
| Final    | Original                                     | 12/10/06 |          |          |          |          |                |              |                 |          |     | Final           | Original           | 12/10/06   |          |                 |          |          |          |              |        |    | Final | Original                 | 12/10/06  |                |           |          |               |
|          | X  | -        |          |          | -        |          | $\vdash$       |              | Н               |          |     |                 | S.                 |  |          |                 |          |          | $\dashv$ | -            | +-     |    |       | 101                      |           | -              | $\vdash$  | -        | $\dashv$      |
|          | 1  |          |          |          |          |          |                |              |                 |          |     |                 | 52                 |  |          |                 |          |          | $\neg$   | T            |        | 1  |       | 102                      | 1         |                |           |          | $\neg$        |
|          | 1  |          |          |          |          |          |                |              |                 |          |     |                 | 5β                 |  |          |                 |          |          |          |              |        | 1  |       | 103                      | Π         |                |           |          |               |
|          | 4  | L        |          | _        |          |          |                |              | Ш               |          |     |                 | 5#                 | L  | L        |                 |          |          | $\Box$   |              |        |    |       | 104                      | $\coprod$ |                |           | ]        |               |
|          | 5  | _        |          |          |          |          | _              | _            |                 |          |     |                 | 55                 | <u> </u>   | 乚        |                 |          |          |          |              |        | ]  |       | 105                      | Ш         |                |           |          |               |
| <u> </u> | <u> </u>                                     |          |          |          |          |          | L              | <u> </u>     | Щ               |          |     |                 | 56                 | <u> </u>   | <u> </u> | Ш               |          |          |          |              |        |    |       | 106                      | Щ.        | _              |           |          | $\perp$       |
|          | <b>                                     </b> | -        |          | _        |          |          | _              | <u> </u>     |                 |          |     |                 | 57                 | _  | <u> </u> | _               |          |          |          | _            |        | 1  |       | 107                      | Щ         | _              | Щ         | _        |               |
| -        | B<br>9                                       | -        |          |          |          |          | ┢              |              | -               |          |     |                 | 58                 | -  | -        | Ш               |          | _        | _        | _            | _      | 1  |       | 108                      | Щ.        | L              |           |          | $\dashv$      |
| -        | 10   | $\vdash$ | _        |          |          |          |                | <del> </del> | Н               |          |     |                 | 59<br>60           | _  | -        | Н               | _        |          | $\dashv$ | _            | -      | ł  |       | 109                      | Н-        | ├-             | $\square$ | _        | $\rightarrow$ |
| -        | 11   | $\vdash$ |          |          |          |          | $\vdash$       | ├            | Н               |          |     |                 | 61<br>1            | ├  | ┢        | Н               |          |          |          | $\dashv$     |        | ł  |       | 110<br>111               | ₩         | ⊢              | $\vdash$  |          | +             |
|          | 12   |          |          |          |          |          | $\vdash$       | ┢─           | Н               |          |     |                 | 62                 | ┝  | ├        | Н               |          | $\dashv$ | -        | +            | +      | ł  |       | 112                      | ╫         | ┢              |           |          | $\dashv$      |
|          | 18   |          |          |          |          |          | H              | $\vdash$     | Н               | -        |     | _               | 68                 | ┢  |          | $\vdash$        |          | $\dashv$ |          | ┰            | +      | ١. |       | 113                      | Н         | H              | $\vdash$  |          | -             |
|          | 1  |          |          |          |          | $\vdash$ |                |              | $\vdash$        | ٦        |     | _               | 61                 | $\vdash$   | $\vdash$ | Н               | -        | $\dashv$ | $\dashv$ | +            |        | 1  |       | 114                      | ╫         |                | $\vdash$  | -        | +             |
|          | 15   |          |          |          |          |          |                |              |                 |          |     |                 | 65                 | $\vdash$   |          | H               |          | _        | $\dashv$ | +            | +      | 1  |       | 115                      | Н         |                | $\vdash$  | $\neg$   | $\dashv$      |
|          | 16   |          |          |          |          |          |                |              |                 |          |     | _               | 66                 | <del>                                     </del> |          | П               |          | _        |          | $\top$       | +-     | 1  |       | 116                      | H         | <del> </del> - | $\vdash$  | $\dashv$ | +             |
|          | 17   |          |          |          |          |          |                |              |                 |          |     |                 | 67                 |  | Ì        |                 |          |          | 一        | 寸            | $\top$ | 1  |       | 117                      | H         |                | Ħ         | 寸        | 十             |
|          | 1B   |          |          |          |          |          |                |              |                 |          | ı   |                 | 68                 |  |          |                 |          |          |          | 1            | $\top$ | 1  |       | 118                      | $\top$    |                |           |          | $\top$        |
|          | 19   |          |          |          |          |          |                |              |                 |          |     |                 | 69                 |  |          |                 |          |          |          |              |        |    |       | 119                      | П         |                |           |          | $\top$        |
|          | 20   |          |          |          |          |          |                |              |                 |          |     |                 | 70                 |  |          |                 |          |          |          |              |        |    |       | 120                      | $\Box$    |                |           |          |               |
|          | 21   | Ш        |          |          |          |          |                |              | Ш               | _        |     | _               | 7                  |  |          | Ш               |          |          |          |              |        |    |       | 121                      |           |                |           |          |               |
| <u> </u> | 222  | Ш        |          | $\Box$   |          | _        |                |              |                 | _        | . ] |                 | 72                 | <u> </u>   | <u></u>  | Щ               | _        | _        |          | _            |        |    |       | 122                      | V         | 1_             |           |          |               |
| -        | 23   | Ш        |          |          | _        | <u> </u> | <u> </u>       |              | -               | _        |     |                 | 78                 |  |          |                 | _        | _        | _        | _            |        |    |       | 123                      | ~         |                |           | _        |               |
|          | 24   | Н        |          |          |          |          | <u> </u>       |              | $\vdash$        | $\dashv$ |     |                 | 74                 |  |          |                 |          | _        |          | $\perp$      | _      |    |       | 124                      |           |                | _         |          | $\dashv$      |
|          | 25<br>26                                     |          |          |          |          |          |                | _            |                 | $\dashv$ |     |                 | 75                 | -  |          |                 | $\dashv$ |          | -        |              | _      |    |       | 125                      | <u>ب</u>  |                | $\Box$    |          |               |
| -        | 2  |          | -        |          |          |          | <del> </del> - | _            | $\vdash$        | $\dashv$ |     |                 | 76 77              |  |          |                 |          |          | -        |              | +      |    |       | 126                      | L         | <b>,</b>       | $\dashv$  |          |               |
| -        | 28   | -        | $\dashv$ | $\dashv$ | -        |          | -              |              | $\vdash \vdash$ | $\dashv$ |     |                 | 7/B                | _  |          |                 |          |          | $\dashv$ | +            | +      |    |       | 127<br>128               | ソ         | -              |           | -        | +             |
|          | 29   |          |          |          |          |          | -              |              | $\vdash$        | -        |     |                 | 79                 | _  | $\vdash$ | $\dashv$        | $\dashv$ |          | $\dashv$ | +            | -      |    |       | 129                      | _         | $\vdash$       | $\dashv$  | -        | -             |
|          | 30   |          | _        |          |          |          |                |              |                 | -        |     |                 | 80                 | _  | $\vdash$ |                 | -        |          | +        | $\dashv$     | +-     |    |       | 120                      |           | -              |           | $\dashv$ | +             |
|          | 3  | _        |          |          |          |          |                |              | _               | _        | ŀ   | -               | 8                  |  |          |                 | -        |          | $\dashv$ | $\dashv$     | +-     | 1  |       | 131                      |           | -              | $\dashv$  | 寸        | +             |
|          | 32   |          |          |          |          |          |                |              |                 | _        | .   |                 | <del>8</del> 8 8 8 |  |          |                 | $\neg$   |          | $\dashv$ | _            |        | ĺ  |       | 132                      |           |                |           | 寸        | 十             |
|          | 33   |          |          |          |          |          |                |              |                 |          | -   |                 | 83                 |  |          |                 |          |          |          |              |        | 1  |       | 132<br>138               |           | _              |           | $\neg$   | $\neg$        |
|          | 34   |          |          |          |          |          |                |              |                 |          | [   |                 | 84<br>85           |  |          |                 |          |          |          | ightharpoons |        |    |       | 134<br>135               |           |                |           |          |               |
|          | 35   | Ш        |          |          |          |          | Ш              |              | $\Box$          |          | . [ |                 | 85                 |  |          |                 |          |          |          | $\perp$      |        |    |       | 135                      |           |                |           |          |               |
| ļ        | 36   | Ш        |          |          |          |          |                |              |                 | _        |     |                 | 816                |  | <u> </u> |                 | [        | _[       |          | $\perp$      |        |    |       | 136                      |           |                |           |          | $\Box$        |
| -        | 3  | $\vdash$ | _        | _        | _        |          | Щ              |              | <b>_</b>        | _        |     |                 | 1                  | _  |          | $\sqcup$        |          | _        | _        | $\bot$       |        |    |       | 137                      |           | Ш              |           | ļ        |               |
| $\vdash$ | 38   | $\vdash$ | $\dashv$ | _        |          |          | <u> </u>       |              | $\sqcup$        | $\dashv$ | .   |                 | 88                 | V  |          | $\sqcup$        |          | _        | _        | _            | _      |    |       | 188                      |           | Щ              |           | _        | $\perp$       |
| -        | 39   |          | $\dashv$ | $\dashv$ | _        |          | $\vdash$       | -            | $\vdash$        | $\dashv$ | ŀ   |                 | <b>86</b>          | Ļ  | _        | $\vdash$        | -        | $\dashv$ |          | -            | -      |    |       | 139                      |           | <b> </b>       |           | _        | +             |
| $\vdash$ | 4  |          | $\dashv$ | $\dashv$ | -        |          |                |              | $\dashv$        | $\dashv$ |     |                 | 90                 | ~  | $\vdash$ | $\vdash \vdash$ |          |          | $\dashv$ | +            | +      | ŀ  |       | 140<br>141               |           | $\vdash\vdash$ | $\dashv$  | _        | +             |
|          | 42   |          | -        |          | $\dashv$ |          | $\vdash$       | $\vdash$     |                 | -        |     |                 | 92                 | ~  |          | $\dashv$        |          |          | $\dashv$ | +            | +      |    |       | 141                      |           | Н              | $\vdash$  | $\dashv$ | +             |
| -        | <del>4</del> B                               |          | $\dashv$ | -        | $\dashv$ |          | H              | $\vdash$     | -               | $\dashv$ | ŀ   |                 |                    | 기수   | H        | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ | +            | +      |    |       | 142<br>143               |           | $\vdash$       | $\dashv$  | $\dashv$ | +             |
| $\vdash$ | 44   |          | $\dashv$ | $\dashv$ | $\neg$   |          | Н              | $\vdash$     |                 | ᅱ        | ł   |                 | 94                 | +  | Н        | $\vdash$        | $\dashv$ | -+       | $\dashv$ | -            | +      |    |       | 124                      |           | $\vdash$       | $\vdash$  | $\dashv$ | +             |
|          | 45   |          |          | $\dashv$ | $\dashv$ | -        | $\vdash$       | $\dashv$     | $\dashv$        | $\dashv$ | ł   |                 | 95                 | +  | Н        | $\vdash$        | $\dashv$ | $\dashv$ | -+       | +            | +      |    |       | 144<br>145<br>146<br>147 |           | H              | $\vdash$  | $\dashv$ | +             |
| $\Box$   | 45<br>46<br>47                               |          |          |          |          |          |                |              | $\neg$          | $\dashv$ | ŀ   |                 | 96                 | +  | Н        | $\vdash$        | -        | 十        | $\dashv$ | +            | +-     |    |       | 146                      |           | Н              | $\dashv$  | -        | +             |
|          | 47   |          |          | ı        | _        |          | П              | $\neg$       |                 | $\neg$   | , Ì |                 | 97                 | 1  | П        |                 | _        | 寸        | 7        | $\top$       | $\top$ |    |       | 147                      |           | $\vdash$       |           | $\dashv$ | +             |
|          | 48   |          |          |          |          |          |                |              | _ 1             | $\neg$   | İ   | $\neg \uparrow$ | 98                 | 1  |          |                 | $\dashv$ | 寸        | $\dashv$ | +            |        |    |       | 148                      |           | Н              | $\dashv$  | $\dashv$ | +             |
|          | 48<br>49<br>5                                |          |          |          |          |          |                |              |                 |          |     |                 | 99                 | 4  |          |                 |          |          |          |              |        |    |       | الحلا                    |           |                |           |          |               |
|          | 5  |          |          | $\Box$   |          |          |                |              |                 |          |     |                 | 100                | V  |          |                 |          | $\Box$   | $\Box$   | $oxed{oxed}$ |        | li |       | 150                      |           |                |           |          |               |
|          |  |          |          |          |          |          |                |              |                 |          |     |                 |                    | _  |          |                 |          |          |          |              |        |    |       |                          | _         | •              | ٠         |          |               |

| CI       |  |              |          | Ī  | Dat          | е        |  |              |              |                 |
|----------|--|--------------|----------|--|--------------|----------|--|--------------|--------------|-----------------|
| Final    | Original   | 12/10/06     |          |  |              |          |  |              |              |                 |
|          | 101  |              | -        | $\vdash$   | -            | ├        | ╁  |              | $\vdash$     | Н               |
|          | 102  |              | ├        | ╁  | $\vdash$     | 1        | -  | ┢╌           | -            | $\vdash$        |
|          | 103  | 1            | ╁        | ╁  |              |          | ┢  | ┢            | ┢            | $\vdash$        |
|          | 104  | +            | $\vdash$ | <del>                                     </del> | H            | ļ        | $\vdash$   | <del> </del> |              | H               |
|          | 101<br>102<br>103<br>104<br>105<br>106   | H            |          | 1  |              |          |  | $\vdash$     | $\vdash$     | Н               |
|          | 106  | 1            |          | <del> </del>                                     |              | <u> </u> |  |              | -            | $\vdash$        |
|          | 107  | $H^-$        | 1        | $\vdash$   |              |          |  |              |              | П               |
|          | 107<br>108   | П            |          |  | Г            |          |  |              |              | $\Box$          |
|          | 109  |              |          |  |              |          |  |              | Г            | П               |
|          | 110  |              |          |  |              |          |  |              |              |                 |
|          | 111  | Ш            | L        | L  |              |          |  |              |              |                 |
|          | 112  | Щ            | _        |  | _            | _        | L  |              | $oxed{\Box}$ | Ш               |
|          | 113  | 1            | _        |  |              | L        | L_   | <u> </u>     |              | Щ               |
|          | 114  | Ш            | _        | _  |              |          | <u> </u>   | <u> </u>     | _            |                 |
|          | 115  | -            |          | ⊢  | $\vdash$     | <u> </u> | <u> </u>   | <b>├</b>     | <u> </u>     |                 |
| <u> </u> | 116  | ╁╂           | 1        | <u> </u>   | ┞            | ⊢        | ₩-   | <del> </del> | <u> </u>     | Щ               |
|          | 117  | Н            |          | -  | ⊢            |          |  |              |              |                 |
|          | 110  | ╁            | ├        | -  | -            | ┢        | -  | -            |              | $\vdash$        |
|          | 120  | $\mathbf{H}$ | H        |  | -            | $\vdash$ | -  |              | ├-           | $\vdash$        |
| _        | 121  | H            | -        | -  |              | ⊢        | $\vdash$   | _            | ⊢            | $\vdash$        |
|          | 122  | 4            | $\vdash$ | $\vdash$   | -            | $\vdash$ | ┢  |              | ⊢            | Н               |
|          | 123  | V            | /        | $\vdash$   | -            | ┢        | ╁  |              | $\vdash$     | Н               |
|          | 124  |              |          |  | ┢            |          | $\vdash$   |              | $\vdash$     | Н               |
|          | 125  | V            | <u>├</u> | _  | _            | $\vdash$ | $\vdash$   |              |              | Н               |
|          | 126  | レレ           |          |  | _            | _        | <del>                                     </del> |              |              | П               |
|          | 127  |              |          |  |              |          |  |              |              | П               |
|          | 128  | レ            |          |  |              |          |  |              |              | П               |
|          | 129  |              |          |  |              |          |  |              |              |                 |
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|          | 131  | ~            | _        |  |              | <u> </u> |  |              |              |                 |
|          | 1320   |              |          | _  |              |          | _  |              |              | Ш               |
|          | 13B  |              | <u> </u> | _  |              | _        | <u> </u>   |              |              | Ш               |
|          | 1.34   |              |          | <u> </u>   |              | _        | ⊢–   | <u> </u>     | <u> </u>     | Ы               |
|          | 112  |              | <u> </u> | $\vdash$   |              | <u> </u> |  | -            | -            | Н               |
|          | 117  |              | ├        | -  |              | -        |  |              |              |                 |
|          | 109<br>110<br>111<br>112<br>113<br>114<br>115<br>116<br>117<br>118<br>119<br>120<br>121<br>122<br>123<br>125<br>126<br>127<br>128<br>129<br>130<br>131<br>131<br>134<br>135<br>136<br>137<br>138<br>139<br>140 | H            | $\vdash$ |  |              | -        | -  | $\vdash$     | $\vdash$     | $\vdash$        |
|          | 139  | -            | $\vdash$ | -  | <del> </del> |          | H  |              | -            | $\vdash$        |
|          | 40   | $\vdash$     | Ι        | <b> </b>   | -            | Ι-       | Г  |              | <del> </del> | $\vdash \dashv$ |
|          | 1141   |              |          |  |              |          | Ι  | $\vdash$     |              | Н               |
|          | 142  |              |          | П  |              |          |  |              | $\vdash$     | П               |
|          | 142<br>143<br>144  |              |          |  |              |          |  |              | L            |                 |
|          | 144  |              |          |  |              |          |  |              |              |                 |
|          | 145<br>146<br>147<br>148   |              |          |  |              |          |  |              |              |                 |
|          | 146  |              |          |  |              |          |  |              |              |                 |
|          | 147  |              |          |  |              |          |  |              |              |                 |
|          | 148  |              |          | Ш  |              | L        |  |              |              | Ш               |
|          | 118  |              | <u> </u> |  |              | L.       | L  |              | L            | Ш               |
|          | 150  |              |          |  |              |          |  | L            |              |                 |